Brain Research, 618 (1993) 358–360
Elsevier Science Publishers B.V.

Author Index

Akahoshi, M., see Kusano, S. (618) 63
Albrecht, J., see Faff-Michalak, L. (618) 299
Arai, R., Jacobowitz, D.M. and Deura, S.
Immunohistochemical localization of calretinin-, calbindin-D28k- and parvalbumin-containing cells in the hypothalamic paraventricular and supraoptic nuclei of the rat (618) 323
Aschner, J.L., see Dave, V. (618) 9
Aschner, M., see Dave, V. (618) 9
Ashliegh, E.A., see Szot, P. (618) 308

Balázs, R., see Verheul, H.B. (618) 203
Baubichon, D., see Lallement, G. (618) 227
Beczkowska, I.W., Koch, J.E., Bostock, M.E., Leibowitz, S.F. and Bodnar, R.J.
Central opioid receptor subtype antagonists differentially reduce intake of saccharin and maltose dextrin solutions in rats (618) 261
Bentley, T., see Laemle, L.K. (618) 352
Berkelbach van der Sprenkel, J.W., see Verheul, H.B. (618) 203
Besson, J.M., see Puig, S. (618) 171
Best, T.J., see Maeda, T. (618) 196
Björklund, A., see Leanza, G. (618) 47
Blanchet, G., see Lallement, G. (618) 227
Blessing, W.W., see Gai, W.P. (618) 135
Blumbergs, P.C., see Gai, W.P. (618) 135
Bodnar, R.J., see Beczkowska, I.W. (618) 261
Bonthius, D.J. and Steward, O.
Induction of cortical spreading depression with potassium chloride upregulates levels of messenger RNA for glial fibrillary acidic protein in cortex and hippocampus: inhibition by MK-801 (618) 83
Bostock, M.E., see Beczkowska, I.W. (618) 261
Botez, M.I., see Lalonde, R. (618) 19
Boyet, S., see Nehlig, A. (618) 1
Brain, S.D., see Cambridge, H. (618) 238
Breier, A., Crane, A.M., Kennedy, C. and Sokoloff, L.
The effects of pharmacologic doses of 2-deoxy-D-glucose on local cerebral blood flow in the awake, unrestrained rat (618) 277
Bridges, R.J., see Miller, S. (618) 175

Cambridge, H. and Brain, S.D.
The effect of intra-articular capsaicin on passive synovial anaphylaxis and blood flow in the rat knee joint (618) 238
Carpentier, P., see Lallement, G. (618) 227
Cherniack, N.S., see Haxhiu, M.A. (618) 115
Clement, M.E. and McCall, R.B.
Impairment of baroreceptor reflexes following kainic acid lesions of the lateral tegmental field (618) 328
Côté, C., see Lalonde, R. (618) 19
Cotman, C.W., see Miller, S. (618) 175
Crane, A.M., see Breier, A. (618) 277
Csillag, A., see Zilles, K. (618) 149

Datta, S., see Mata, M. (618) 295
Dave, V., Vitarella, D., Aschner, J.L., Fletcher, P., Kimelberg, H.K. and Aschner, M.
Lead increases inositol 1,4,5-trisphosphate levels but does not interfere with calcium transients in primary rat astrocytes (618) 9
Delamanche, I.S., see Lallement, G. (618) 227
Demura, H., see Shibasaki, T. (618) 71
Denavit-Saubié, M., see Schäfer, T. (618) 246
Denoyer, M., see Lallement, G. (618) 227
Deura, S., see Arai, R. (618) 323
Devesa, A., O'Connor, J.E., Garciá, C., Puertes, I.R. and Viña, J.R.
Glutathione metabolism in primary astrocyte cultures: flow cytometric evidence of heterogeneous distribution of GSH content (618) 181
Dorsa, D.M., see Szot, P. (618) 308
Duckrow, R.B.
A brief hypoperfusion precedes spreading depression if nitric oxide synthesis is inhibited (618) 190

Epstein, M.H., see Knuckey, N.W. (618) 313
Evans, P.J., see Maeda, T. (618) 196

Faff-Michalak, L. and Albrecht, J.
Hyperammonemia and hepatic encephalopathy stimulate rat cerebral synaptic mitochondrial glutamate dehydrogenase activity specifically in the direction of glutamate oxidation (618) 299
Fibiger, H.C., see Wenkstern, D. (618) 41
Fink, D.J., see Mata, M. (618) 295
Fink, K. and Göthert, M.
High D-glucose concentrations increase GABA release but inhibit release of norepinephrine and 5-hydroxytryptamine in rat cerebral cortex (618) 220
Fletcher, P., see Dave, V. (618) 9
Fugaro, C., see Laemle, L.K. (618) 352
Fujii, Y., see Hayashi, M. (618) 142
Fujimura, M., see Itoh, T. (618) 318

Gai, W.P., Blumbergs, P.C., Geffen, L.B. and Blessing, W.W.
Galanin-containing fibers innervate substance P-containing neurons in the pedunculopontine tegmental nucleus in humans (618) 135
Garciá, C., see Devesa, A. (618) 181
Geffen, L.B., see Gai, W.P. (618) 135
Gessa, G.L., see Imperato, A. (618) 341
Göthert, M., see Fink, K. (618) 220
Graham, D.I., see Mackay, K.B. (618) 213

Hajós, F., see Zilles, K. (618) 149
Hara, H., Harada, K. and Sukamoto, T.
Chronological atrophy after transient middle cerebral artery occlusion in rats (618) 251
Harada, K., see Hara, H. (618) 251
Hashiba, K., see Kusano, S. (618) 63
Haxhiu, M.A., Jansen, A.S.P., Cherniack, N.S. and Loewy, A.D.
CNS innervation of airway-related parasympathetic preganglionic neurons: a transneuronal labeling study using pseudorabies virus (618) 115
Hayashi, M., Yamashita, A., Shimizu, K., Sogawa, K. and Fujii, Y.
Expression of the gene for nerve growth factor (NGF) in the monkey central nervous system (618) 142
Heinrichs, S.C., see Menzaghi, F. (618) 76
Hertz, L., see Huang, R. (618) 346
Highland, L., see Paredes, R.G. (618) 271
Hotta, M., see Shibasaki, T. (618) 71
Huang, R., Shuaib, A. and Hertz, L.
Glutamate uptake and glutamate content in primary cultures of mouse astrocytes during anoxia, substrate deprivation and simulated ischemia under normothermic and hypothermic conditions (618) 346
Hunter, D.A., see Maeda, T. (618) 196

Imaki, T., see Shibasaki, T. (618) 71
Imperato, A., Obinu, M.C. and Gessa, G.L.
Stimulation of both dopamine D_1 and D_2 receptors facilitates in vivo acetylcholine release in the hippocampus (618) 341
Itoh, T., Saito, T., Fujimura, M., Watanabe, S. and Saito, K.
Restraint stress-induced changes in endogenous zinc release from the rat hippocampus (618) 318

Jacobowitz, D.M., see Arai, R. (618) 323
Jansen, A.S.P., see Haxhiu, M.A. (618) 115
Jin, C.-F., see Mata, M. (618) 295
Johanson, C., see Knuckey, N.W. (618) 313
Joyal, C.C., see Lalonde, R. (618) 19

Kachroo, A., see Vardhan, A. (618) 23
Kalichman, M.W., see Mizisin, A.P. (618) 109
Kálmán, M., see Zilles, K. (618) 149
Karam, P., see Paredes, R.G. (618) 271
Katsura, K.-i., Mellergård, P., Theander, S., Ouyang, Y.-b. and Siesjö, B.K.
Buffer capacity of rat cortical tissue as well as of cultured neurons and astrocytes (618) 283
Kennedy, C., see Breier, A. (618) 277
Kimelberg, H.K., see Dave, V. (618) 9
Kitamura, S.-i., see Kusano, S. (618) 63
Knuckey, N.W., Preston, J., Palm, D., Epstein, M.H. and Johanson, C.

Brain Research, 618 (1993) 358–360
Elsevier Science Publishers B.V.

Author Index

Akahoshi, M., see Kusano, S. (618) 63
Albrecht, J., see Faff-Michalak, L. (618) 299
Arai, R., Jacobowitz, D.M. and Deura, S.
Immunohistochemical localization of calretinin-, calbindin-D28k- and parvalbumin-containing cells in the hypothalamic paraventricular and supraoptic nuclei of the rat (618) 323
Aschner, J.L., see Dave, V. (618) 9
Aschner, M., see Dave, V. (618) 9
Ashliegh, E.A., see Szot, P. (618) 308

Balázs, R., see Verheul, H.B. (618) 203
Baubichon, D., see Lallement, G. (618) 227
Beczkowska, I.W., Koch, J.E., Bostock, M.E., Leibowitz, S.F. and Bodnar, R.J.
Central opioid receptor subtype antagonists differentially reduce intake of saccharin and maltose dextrin solutions in rats (618) 261
Bentley, T., see Laemle, L.K. (618) 352
Berkelbach van der Sprenkel, J.W., see Verheul, H.B. (618) 203
Besson, J.M., see Puig, S. (618) 171
Best, T.J., see Maeda, T. (618) 196
Björklund, A., see Leanza, G. (618) 47
Blanchet, G., see Lallement, G. (618) 227
Blessing, W.W., see Gai, W.P. (618) 135
Blumbergs, P.C., see Gai, W.P. (618) 135
Bodnar, R.J., see Beczkowska, I.W. (618) 261
Bonthius, D.J. and Steward, O.
Induction of cortical spreading depression with potassium chloride upregulates levels of messenger RNA for glial fibrillary acidic protein in cortex and hippocampus: inhibition by MK-801 (618) 83
Bostock, M.E., see Beczkowska, I.W. (618) 261
Botez, M.I., see Lalonde, R. (618) 19
Boyet, S., see Nehlig, A. (618) 1
Brain, S.D., see Cambridge, H. (618) 238
Breier, A., Crane, A.M., Kennedy, C. and Sokoloff, L.
The effects of pharmacologic doses of 2-deoxy-D-glucose on local cerebral blood flow in the awake, unrestrained rat (618) 277
Bridges, R.J., see Miller, S. (618) 175

Cambridge, H. and Brain, S.D.
The effect of intra-articular capsaicin on passive synovial anaphylaxis and blood flow in the rat knee joint (618) 238
Carpentier, P., see Lallement, G. (618) 227
Cherniack, N.S., see Haxhiu, M.A. (618) 115
Clement, M.E. and McCall, R.B.
Impairment of baroreceptor reflexes following kainic acid lesions of the lateral tegmental field (618) 328
Côté, C., see Lalonde, R. (618) 19
Cotman, C.W., see Miller, S. (618) 175
Crane, A.M., see Breier, A. (618) 277
Csillag, A., see Zilles, K. (618) 149

Datta, S., see Mata, M. (618) 295
Dave, V., Vitarella, D., Aschner, J.L., Fletcher, P., Kimelberg, H.K. and Aschner, M.
Lead increases inositol 1,4,5-trisphosphate levels but does not interfere with calcium transients in primary rat astrocytes (618) 9
Delamanche, I.S., see Lallement, G. (618) 227
Demura, H., see Shibasaki, T. (618) 71
Denavit-Saubié, M., see Schäfer, T. (618) 246
Denoyer, M., see Lallement, G. (618) 227
Deura, S., see Arai, R. (618) 323
Devesa, A., O'Connor, J.E., Garciá, C., Puertes, I.R. and Viña, J.R.
Glutathione metabolism in primary astrocyte cultures: flow cytometric evidence of heterogeneous distribution of GSH content (618) 181
Dorsa, D.M., see Szot, P. (618) 308
Duckrow, R.B.
A brief hypoperfusion precedes spreading depression if nitric oxide synthesis is inhibited (618) 190

Epstein, M.H., see Knuckey, N.W. (618) 313
Evans, P.J., see Maeda, T. (618) 196

Faff-Michalak, L. and Albrecht, J.
Hyperammonemia and hepatic encephalopathy stimulate rat cerebral synaptic mitochondrial glutamate dehydrogenase activity specifically in the direction of glutamate oxidation (618) 299
Fibiger, H.C., see Wenkstern, D. (618) 41
Fink, D.J., see Mata, M. (618) 295
Fink, K. and Göthert, M.
High D-glucose concentrations increase GABA release but inhibit release of norepinephrine and 5-hydroxytryptamine in rat cerebral cortex (618) 220
Fletcher, P., see Dave, V. (618) 9
Fugaro, C., see Laemle, L.K. (618) 352
Fujii, Y., see Hayashi, M. (618) 142
Fujimura, M., see Itoh, T. (618) 318

Gai, W.P., Blumbergs, P.C., Geffen, L.B. and Blessing, W.W.
Galanin-containing fibers innervate substance P-containing neurons in the pedunculopontine tegmental nucleus in humans (618) 135
Garciá, C., see Devesa, A. (618) 181
Geffen, L.B., see Gai, W.P. (618) 135
Gessa, G.L., see Imperato, A. (618) 341
Göthert, M., see Fink, K. (618) 220
Graham, D.I., see Mackay, K.B. (618) 213

Hajós, F., see Zilles, K. (618) 149
Hara, H., Harada, K. and Sukamoto, T.
Chronological atrophy after transient middle cerebral artery occlusion in rats (618) 251
Harada, K., see Hara, H. (618) 251
Hashiba, K., see Kusano, S. (618) 63
Haxhiu, M.A., Jansen, A.S.P., Cherniack, N.S. and Loewy, A.D.
CNS innervation of airway-related parasympathetic preganglionic neurons: a transneuronal labeling study using pseudorabies virus (618) 115
Hayashi, M., Yamashita, A., Shimizu, K., Sogawa, K. and Fujii, Y.
Expression of the gene for nerve growth factor (NGF) in the monkey central nervous system (618) 142
Heinrichs, S.C., see Menzaghi, F. (618) 76
Hertz, L., see Huang, R. (618) 346
Highland, L., see Paredes, R.G. (618) 271
Hotta, M., see Shibasaki, T. (618) 71
Huang, R., Shuaib, A. and Hertz, L.
Glutamate uptake and glutamate content in primary cultures of mouse astrocytes during anoxia, substrate deprivation and simulated ischemia under normothermic and hypothermic conditions (618) 346
Hunter, D.A., see Maeda, T. (618) 196

Imaki, T., see Shibasaki, T. (618) 71
Imperato, A., Obinu, M.C. and Gessa, G.L.
Stimulation of both dopamine D_1 and D_2 receptors facilitates in vivo acetylcholine release in the hippocampus (618) 341
Itoh, T., Saito, T., Fujimura, M., Watanabe, S. and Saito, K.
Restraint stress-induced changes in endogenous zinc release from the rat hippocampus (618) 318

Jacobowitz, D.M., see Arai, R. (618) 323
Jansen, A.S.P., see Haxhiu, M.A. (618) 115
Jin, C.-F., see Mata, M. (618) 295
Johanson, C., see Knuckey, N.W. (618) 313
Joyal, C.C., see Lalonde, R. (618) 19

Kachroo, A., see Vardhan, A. (618) 23
Kalichman, M.W., see Mizisin, A.P. (618) 109
Kálmán, M., see Zilles, K. (618) 149
Karam, P., see Paredes, R.G. (618) 271
Katsura, K.-i., Mellergård, P., Theander, S., Ouyang, Y.-b. and Siesjö, B.K.
Buffer capacity of rat cortical tissue as well as of cultured neurons and astrocytes (618) 283
Kennedy, C., see Breier, A. (618) 277
Kimelberg, H.K., see Dave, V. (618) 9
Kitamura, S.-i., see Kusano, S. (618) 63
Knuckey, N.W., Preston, J., Palm, D., Epstein, M.H. and Johanson, C.

Hydrocephalus decreases chloride efflux from the choroid plexus epithelium (618) 313
Koch, J.E., see Beczkowska, I.W. (618) 261
Kohen, R., see Szot, P. (618) 308
Koob, G.F., see Menzaghi, F. (618) 76
Kruszewska, B. and Larimer, J.L.
Specific second messengers activate the caudal photoreceptor of crayfish (618) 32
Kusano, S., Seto, S., Akahoshi, M., Kitamura, S.-i., Nagao, S.-i., Ozeki, S.-i., Yano, K. and Hashiba, K.
Depressor effect of intraventricular administration of calcium on spontaneously hypertensive rats (618) 63
Kusumoto, K., see Mackay, K.B. (618) 213

Laemle, L.K., Fugaro, C. and Bentley, T.
The geniculohypothalamic pathway in a congenitally anophthalmic mouse (618) 352
Lallement, G., Delamanche, I.S., Pernot-Marino, I., Baubichon, D., Denoyer, M., Carpentier, P. and Blanchet, G.
Neuroprotective activity of glutamate receptor antagonists against soman-induced hippocampal damage: quantification with an $\omega 3$ site ligand (618) 227
Lalonde, R., Joyal, C.C., Côté, C. and Botez, M.I.
Simultaneous visual discrimination learning in lurcher mutant mice (618) 19
Larimer, J.L., see Kruszewska, B. (618) 32
Leanza, G., Nilsson, O.G. and Björklund, A.
Functional activity of intrahippocampal septal grafts is regulated by catecholaminergic host afferents as studied by microdialysis of acetylcholine (618) 47
Lee, V.M.-Y., see Trojanowski, J.Q. (618) 333
Leibowitz, S.F., see Beczkowska, I.W. (618) 261
Ling, N., see Shibasaki, T. (618) 71
Loewy, A.D., see Haxhiu, M.A. (618) 115
Long, N.C., see Nakamori, T. (618) 155

Mackay, K.B., Kusumoto, K., Graham, D.I. and McCulloch, J.
Focal cerebral ischemia in the cat: pretreatment with a kappa-1 opioid receptor agonist, CI-977 (618) 213
Mackinnon, S.E., see Maeda, T. (618) 196
Maeda, T., Mackinnon, S.E., Best, T.J., Evans, P.J., Hunter, D.A. and Midha, R.T.R.
Regeneration across 'stepping-stone' nerve grafts (618) 196
Marescaux, C., see Nehlig, A. (618) 1
Martin, J., see Trojanowski, J.Q. (618) 333
Mata, M., Datta, S., Jin, C.-F. and Fink, D.J.
Differential axonal transport of individual Na,K-ATPase catalytic (α) subunit isoforms in rat sciatic nerve (618) 295
Mawal-Dewan, M., see Trojanowski, J.Q. (618) 333
May, T., see Sugawa, M. (618) 57
McAdoo, D.J., see Sorkin, L.S. (618) 95
McCall, R.B., see Clement, M.E. (618) 328
McCulloch, J., see Mackay, K.B. (618) 213
Meddis, R., see Winter, I.M. (618) 167
Mellergård, P., see Katsura, K.-i. (618) 283
Menzaghi, F., Heinrichs, S.C., Pich, E.M., Tilders, F.J.H. and Koob, G.F.
Functional impairment of hypothalamic corticotropin-releasing factor neurons with immunotargeted toxins enhances food intake induced by neuropeptide Y (618) 76
Midha, R.T.R., see Maeda, T. (618) 196
Miller, S., Bridges, R.J. and Cotman, C.W.
Stimulation of phosphoinositide hydrolysis by *trans*-(±)-ACPD is greatly enhanced when astrocytes are cultured in a serum-free defined medium (618) 175
Mizisin, A.P. and Kalichman, M.W.
Permeability and Surface Area of the Blood–nerve Barrier in Galactose Intoxication (618) 109
Morimoto, A., see Nakamori, T. (618) 155
Morin-Surun, M.-P., see Schäfer, T. (618) 246
Murakami, N., see Nakamori, T. (618) 155

Nagano, M., see Shinoda, K. (618) 160
Nagao, S.-i., see Kusano, S. (618) 63
Nakamori, T., Morimoto, A., Yamaguchi, K., Watanabe, T., Long, N.C. and Murakami, N.
Organum vasculosum laminae terminalis (OVLT) is a brain site to produce interleukin-1β during fever (618) 155
Nehlig, A., Vergnes, M., Marescaux, C. and Boyet, S.
Cerebral energy metabolism in rats with genetic absence epilepsy is not correlated with the pharmacological increase or suppression of spike-wave discharges (618) 1
Nicolay, K., see Verheul, H.B. (618) 203
Nilsson, O.G., see Leanza, G. (618) 47

Obinu, M.C., see Imperato, A. (618) 341
O'Connor, J.E., see Devesa, A. (618) 181
Ohtsuki, T., see Shinoda, K. (618) 160
Okumura, T., see Shinoda, K. (618) 160
Ouyang, Y.-b., see Katsura, K.-i. (618) 283
Ozeki, S.-i., see Kusano, S. (618) 63

Palm, D., see Knuckey, N.W. (618) 313
Palmer, A.R., see Winter, I.M. (618) 167
Paredes, R.G., Highland, L. and Karam, P.
Socio–sexual behavior in male rats after lesions of the medial preoptic area: evidence for reduced sexual motivation (618) 271
Pernot-Marino, I., see Lallement, G. (618) 227
Petrie, E., see Szot, P. (618) 308
Pfaus, J.G., see Wenkstern, D. (618) 41
Pich, E.M., see Menzaghi, F. (618) 76
Preston, J., see Knuckey, N.W. (618) 313
Price, K.J., see Scammell, T.E. (618) 303
Puertes, I.R., see Devesa, A. (618) 181
Puig, S., Rivot, J.P. and Besson, J.M.
Effect of RU 24969 on 5-HT metabolism in the medullary dorsal horn as studied by in vivo voltammetry (618) 171
Rivot, J.P., see Puig, S. (618) 171

Sagar, S.M., see Scammell, T.E. (618) 303
Saito, K., see Itoh, T. (618) 318
Saito, T., see Itoh, T. (618) 318
Sapru, H.N., see Vardhan, A. (618) 23
Scammell, T.E., Price, K.J. and Sagar, S.M.
Hyperthermia induces c-*fos* expression in the preoptic area (618) 303
Schäfer, T., Morin-Surun, M.-P. and Denavit-Saubié, M.
Oxygen supply and respiratory-like activity in the isolated perfused brainstem of the adult guinea pig (618) 246
Schleicher, A., see Zilles, K. (618) 149
Schmidt, M.L., see Trojanowski, J.Q. (618) 333
Seto, S., see Kusano, S. (618) 63
Shibasaki, T., Imaki, T., Hotta, M., Ling, N. and Demura, H.
Psychological stress increases arousal through brain corticotropin-releasing hormone without significant increase in adrenocorticotropin and catecholamine secretion (618) 71
Shimizu, K., see Hayashi, M. (618) 142
Shinoda, K., Ohtsuki, T., Nagano, M. and Okumura, T.
A possible functional necklace formed by placental antigen X-P2-immunoreactive and intensely acetylcholinesterase-reactive (PAX/IAE) glomerular complexes in the rat olfactory bulb (618) 160
Shuaib, A., see Huang, R. (618) 346
Siesjö, B.K., see Katsura, K.-i. (618) 283
Sogawa, K., see Hayashi, M. (618) 142
Sokoloff, L., see Breier, A. (618) 277
Sorkin, L.S., McAdoo, D.J. and Willis, W.D.
Raphe magnus stimulation-induced antinociception in the cat is associated with release of amino acids as well as serotonin in the lumbar dorsal horn (618) 95
Sotonyi, P., see Zilles, K. (618) 149
Steward, O., see Bonthius, D.J. (618) 83
Sugawa, M. and May, T.
Age-related alteration in signal transduction: involvement of the cAMP cascade (618) 57
Sukamoto, T., see Hara, H. (618) 251
Szot, P., Ashliegh, E.A., Kohen, R., Petrie, E., Dorsa, D.M. and Veith, R.
Norepinephrine transporter mRNA is elevated in the locus coeruleus following short- and long-term desipramine treatment (618) 308

Theander, S., see Katsura, K.-i. (618) 283
Tilders, F.J.H., see Menzaghi, F. (618) 76
Trojanowski, J.Q., Mawal-Dewan, M., Schmidt, M.L., Martin, J. and Lee, V.M.-Y.
Localization of the mitogen activated protein kinase ERK2 in Alzheimer's disease neurofibrillary tangles and senile plaque neurites (618) 333
Tulleken, C.A.F., see Verheul, H.B. (618) 203

Van Lookeren Campagne, M., see Verheul, H.B. (618) 203
Vardhan, A., Kachroo, A. and Sapru, H.N. Excitatory amino acid receptors in the nucleus tractus solitarius mediate the responses to the stimulation of cardiopulmonary vagal afferent C fiber endings (618) 23
Veith, R., see Szot, P. (618) 308
Vergnes, M., see Nehlig, A. (618) 1
Verheul, H.B., Balázs, R., Berkelbach van der Sprenkel, J.W., Tulleken, C.A.F., Nicolay, K. and Van Lookeren Campagne, M. Temporal evolution of NMDA-induced excitoxicity in the neonatal rat brain measured with ^{1}H nuclear magnetic resonance imaging (618) 203
Viña, J.R., see Devesa, A. (618) 181
Vitarella, D., see Dave, V. (618) 9
Von Rekowski, C. and Zippel, H.P. In goldfish the qualitative discriminative ability for odors rapidly returns after bilateral nerve axotomy and lateral olfactory tract transection (618) 338

Watanabe, S., see Itoh, T. (618) 318
Watanabe, T., see Nakamori, T. (618) 155
Wenkstern, D., Pfaus, J.G. and Fibiger, H.C. Dopamine transmission increases in the nucleus accumbens of male rats during their first exposure to sexually receptive female rats (618) 41
Willis, W.D., see Sorkin, L.S. (618) 95
Winter, I.M., Palmer, A.R. and Meddis, R. The response of guinea pig auditory-nerve fibres with high spontaneous discharge rates to increments in intensity (618) 167

Yamaguchi, K., see Nakamori, T. (618) 155
Yamashita, A., see Hayashi, M. (618) 142
Yano, K., see Kusano, S. (618) 63

Zilles, K., Hajós, F., Csillag, A., Kálmán, M., Sotonyi, P. and Schleicher, A. Vasoactive intestinal polypeptide immunoreactive structures in the mouse barrel field (618) 149
Zippel, H.P., see Von Rekowski, C. (618) 338

(contents continued)

Restraint stress-induced changes in endogenous zinc release from .he rat hippocampus
T. Itoh, T. Saito, M. Fujimura, S. Watanabe and K. Saito (Japan) 318
Immunohistochemical localization of calretinin-, calbindin-D28k- and parvalbumin-containing cells in the hypothalamic paraventricular and supraoptic nuclei of the rat
R. Arai, D.M. Jacobowitz and S. Deura (Japan, USA) 323
Impairment of baroreceptor reflexes following kainic acid lesions of the lateral tegmental field
M.E. Clement and R.B. McCall (USA) 328
Localization of the mitogen activated protein kinase ERK2 in Alzheimer's disease neurofibrillary tangles and senile plaque neurites
J.Q. Trojanowski, M. Mawal-Dewan, M.L. Schmidt, J. Martin and V.M.-Y. Lee (USA) 333
In goldfish the qualitative discriminative ability for odors rapidly returns after bilateral nerve axotomy and lateral olfactory tract transection
C. Von Rekowski and H.P. Zippel (FRG) 338
Stimulation of both dopamine D_1 and D_2 receptors facilitates in vivo acetylcholine release in the hippocampus
A. Imperato, M.C. Obinu and G.L. Gessa (Italy) 341
Glutamate uptake and glutamate content in primary cultures of mouse astrocytes during anoxia, substrate deprivation and simulated ischemia under normothermic and hypothermic conditions
R. Huang, A. Shuaib and L. Hertz (Canada) 346
The geniculohypothalamic pathway in a congenitally anophthalmic mouse
L.K. Laemle, C. Fugaro and T. Bentley (USA) 352

Author Index 358